

M. Rao

#8

1652

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/214,679

DATE: 07/19/2000
TIME: 15:42:29

Input Set : A:\sequences\14.txt.txt
Output Set: N:\CRF3\07192000\I214679.raw

ENTERED

4 <110> APPLICANT: Brieden, Walter
5 Naughton, Andrew
6 Robins, Karen
7 Shaw, Nicholas
8 Tinschert, Andreas
9 Zimmermann, Thomas
11 <120> TITLE OF INVENTION: METHOD OF PREPARING (S)-OR (R)
12 -3,3,3-TRIFLUORO-2-HYDROXY-2-METHYLPROPIONIC ACID
15 <130> FILE REFERENCE: 32213
17 <140> CURRENT APPLICATION NUMBER: 09/214,679
18 <141> CURRENT FILING DATE: 1999-12-30
20 <160> NUMBER OF SEQ ID NOS 14
22 <170> SOFTWARE: FastSEQ for Windows Version 3.0
24 <210> SEQ ID NO: 1
25 <211> LENGTH: 1442
26 <212> TYPE: DNA
27 <213> ORGANISM: Klebsiella oxytoca
29 <400> SEQUENCE: 1
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31 ccgcacagcg ctgtgcggtta atggataaag gctgtgttgt agaaacgctg acccaacaac 120
32 agctctctga tgatctttta atgcgtcgtc atctggctct gtaactaaac gctataaatt 180
33 acgtggagaa taacatatga aatggttga agaattccatt atggccaaac gcggtgttgg 240
34 tgccggcgct aaaccggtta cgcacacct gacggaagaa atgcaaaaag agtttcatta 300
35 caccattggc ccttattcca caccgctcct gaccatcgaa cccggtgacc ggattattgt 360
36 cgacactega gatgctttt aaggtgctat caattcggaa caggatattc cgagccagtt 420
37 gctaaaaatg ccctttctca acccaaaaa cggaccgatc atggtcaatg gcgcgagaa 480
38 aggtgatgtg ctgcgtgtct atatcgaatc catgttgccc cgcgcgcttg atccctacgg 540
39 catctgcgcc atgattccgc attttggcgg actgaccggg accgacctga cggccatgct 600
40 caatgatccg ctgccagaaa aggtgcgcat gattaaactc gacagtgaag aggtctactg 660
41 gagcaaacgc catacgttc cctataaacc ccatattggc acctgagcg tatcgccaga 720
42 aattgactca atcaattcac tgacgccaga caatcacggc gggaatatgg atgtgccgga 780
43 tataggacca gggagtatta cctatctgcc ggtacgtgcg cctggaggcc gctgtttat 840
44 tgggtgatgc catgcttgc aggtgatgg tgagatttgc gggacgcag tagagtttgc 900
45 ctcaatcacc accatcaaa tgatttgc caagaactgg cagctttcct ggccacgaat 960
46 ggagaatgcc gaaaatatta tgagtattgg cagtgcacgt ccgctggagg atgcgacgcg 1020
47 aattgcatat cgcgacttaa ttactggct ggtagaagac tttggcttcg aacaatggga 1080
48 tgccctacatg cttctgagtc aatgcggcaa agtgcggctg ggcaacatgg tcgaccccaa 1140
49 atacaccgtt ggcgcgatgc tgaacaaaaa cctgttagtt tagtaggaat aactaaccgg 1200
50 tgaacattac ccggtatgag atcggggtaa tgtgtaagtt caaacaatcg ctatttttaa 1260
51 cagctaaagc aggtgcatat ggggccagat acacccatca atattggttt actttactcc 1320
52 ttcagcggag tgacggcggc acaagagttg tcacaatggc gcggagcaac ccaggctatt 1380
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54 cc
56 <210> SEQ ID NO: 2
57 <211> LENGTH: 328
58 <212> TYPE: PRT
59 <213> ORGANISM: Klebsiella oxytoca

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61 <400> SEQUENCE: 2
62 Met Lys Trp Leu Glu Glu Ser Ile Met Ala Lys Arg Gly Val Gly Ala
63 1 5 10 15
64 Gly Arg Lys Pro Val Thr His His Leu Thr Glu Glu Met Gln Lys Glu
65 20 25 30
66 Phe His Tyr Thr Ile Gly Pro Tyr Ser Thr Pro Val Leu Thr Ile Glu
67 35 40 45
68 Pro Gly Asp Arg Ile Ile Val Asp Thr Arg Asp Ala Phe Glu Gly Ala
69 50 55 60
70 Ile Asn Ser Glu Gln Asp Ile Pro Ser Gln Leu Leu Lys Met Pro Phe
71 65 70 75 80
72 Leu Asn Pro Gln Asn Gly Pro Ile Met Val Asn Gly Ala Glu Lys Gly
73 85 90 95
74 Asp Val Leu Ala Val Tyr Ile Glu Ser Met Leu Pro Arg Gly Val Asp
75 100 105 110
76 Pro Tyr Gly Ile Cys Ala Met Ile Pro His Phe Gly Gly Leu Thr Gly
77 115 120 125
78 Thr Asp Leu Thr Ala Met Leu Asn Asp Pro Leu Pro Glu Lys Val Arg
79 130 135 140
80 Met Ile Lys Leu Asp Ser Glu Lys Val Tyr Trp Ser Lys Arg His Thr
81 145 150 155 160
82 Leu Pro Tyr Lys Pro His Ile Gly Thr Leu Ser Val Ser Pro Glu Ile
83 165 170 175
84 Asp Ser Ile Asn Ser Leu Thr Pro Asp Asn His Gly Gly Asn Met Asp
85 180 185 190
86 Val Pro Asp Ile Gly Pro Gly Ser Ile Thr Tyr Pro Leu Val Arg Ala
87 195 200 205
88 Pro Gly Gly Arg Leu Phe Ile Gly Asp Ala His Ala Cys Gln Gly Asp
89 210 215 220
90 Gly Glu Ile Cys Gly Thr Ala Val Glu Phe Ala Ser Ile Thr Thr Ile
91 225 230 235 240
92 Lys Val Asp Leu Ile Lys Asn Trp Gln Leu Ser Trp Pro Arg Met Glu
93 245 250 255
94 Asn Ala Glu Asn Ile Met Ser Ile Gly Ser Ala Arg Pro Leu Glu Asp
95 260 265 270
96 Ala Thr Arg Ile Ala Tyr Arg Asp Leu Ile Tyr Trp Leu Val Glu Asp
97 275 280 285
98 Phe Gly Phe Glu Gln Trp Asp Ala Tyr Met Leu Leu Ser Gln Cys Gly
99 290 295 300
100 Lys Val Arg Leu Gly Asn Met Val Asp Pro Lys Tyr Thr Val Gly Ala
101 305 310 315 320
102 Met Leu Asn Lys Asn Leu Leu Val
103 325
105 <210> SEQ ID NO: 3
106 <211> LENGTH: 20
107 <212> TYPE: PRT
108 <213> ORGANISM: Klebsiella oxytoca
110 <400> SEQUENCE: 3
111 Met Lys Trp Leu Glu Glu Ser Ile Met Ala Lys Arg Gly Val Gly Ala

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112   1               5               10               15
113 Ser Arg Lys Pro
114           20
116 <210> SEQ ID NO: 4
117 <211> LENGTH: 5
118 <212> TYPE: PRT
119 <213> ORGANISM: Klebsiella oxytoca
121 <400> SEQUENCE: 4
122 Val Tyr Trp Ser Lys
123   1               5
125 <210> SEQ ID NO: 5
126 <211> LENGTH: 13
127 <212> TYPE: PRT
128 <213> ORGANISM: Klebsiella oxytoca
130 <400> SEQUENCE: 5
131 Lys Pro Val Thr His His Leu Thr Glu Glu Met Gln Lys
132   1               5               10
134 <210> SEQ ID NO: 6
135 <211> LENGTH: 9
136 <212> TYPE: PRT
137 <213> ORGANISM: Klebsiella oxytoca
139 <400> SEQUENCE: 6
140 Tyr Thr Val Gly Ala Met Leu Asn Lys
141   1               5
143 <210> SEQ ID NO: 7
144 <211> LENGTH: 14
145 <212> TYPE: PRT
146 <213> ORGANISM: Klebsiella oxytoca
148 <400> SEQUENCE: 7
149 Met Glu Asn Ala Glu Asn Ile Met Ser Ile Gly Ser Ala Arg
150   1               5               10
152 <210> SEQ ID NO: 8
153 <211> LENGTH: 9
154 <212> TYPE: PRT
155 <213> ORGANISM: Klebsiella oxytoca
157 <400> SEQUENCE: 8
158 Trp Leu Glu Glu Ser Ile Met Ala Lys
159   1               5
161 <210> SEQ ID NO: 9
162 <211> LENGTH: 18
163 <212> TYPE: PRT
164 <213> ORGANISM: Klebsiella oxytoca
166 <400> SEQUENCE: 9
167 Met Pro Phe Leu Asn Pro Gln Asn Gly Pro Ile Met Val Asn Gly Ala
168   1               5               10               15
169 Glu Lys
172 <210> SEQ ID NO: 10
173 <211> LENGTH: 19
174 <212> TYPE: PRT

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175 <213> ORGANISM: Klebsiella oxytoca
177 <400> SEQUENCE: 10
178 Asp Ala Phe Glu Gly Ala Ile Asn Ser Glu Gln Asp Ile Pro Ser Gln
179 1 5 10 15
180 Leu Leu Lys
183 <210> SEQ ID NO: 11
184 <211> LENGTH: 21
185 <212> TYPE: PRT
186 <213> ORGANISM: Klebsiella oxytoca
188 <400> SEQUENCE: 11
189 Glu Phe His Tyr Thr Ile Gly Pro Tyr Ser Thr Pro Val Leu Thr Ile
190 1 5 10 15
191 Glu Pro Gly Asp Arg
192 20
194 <210> SEQ ID NO: 12
195 <211> LENGTH: 23
196 <212> TYPE: PRT
197 <213> ORGANISM: Klebsiella oxytoca
199 <400> SEQUENCE: 12
200 Leu Phe Ile Gly Asp Ala His Ala Glu Gln Gly Asp Gly Glu Ile Glu
201 1 5 10 15
202 Gly Thr Ala Val Glu Phe Ala
203 20
205 <210> SEQ ID NO: 13
206 <211> LENGTH: 14
207 <212> TYPE: PRT
208 <213> ORGANISM: Klebsiella oxytoca
210 <400> SEQUENCE: 13
211 Gly Asp Val Leu Ala Val Tyr Ile Glu Ser Met Leu Pro Arg
212 1 5 10
214 <210> SEQ ID NO: 14
215 <211> LENGTH: 33
216 <212> TYPE: PRT
217 <213> ORGANISM: Klebsiella oxytoca
219 <400> SEQUENCE: 14
220 Gly Val Asp Pro Tyr Gly Ile Glu Ala Met Ile Pro His Phe Gly Gly
221 1 5 10 15
222 Leu Thr Gly Thr Asp Leu Thr Ala Met Leu Asn Asp Gln Leu Gln Pro
223 20 25 30
224 Lys

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VERIFICATION SUMMARY

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